

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/987,669

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A method for intersystem transfer of calls from a first cellular mobile radio system using the macrodiversity transmission technique to a second cellular mobile radio system which uses a different radio access technique from said first cellular mobile radio system, said macrodiversity transmission using a radio network controller of the first system, referred to as the serving controller, and at least one other radio network controller of the first system, referred to as the drift controller, wherein adjoining cell information relating to the second system is signaled to said serving controller by at least one drift controller controlling at least one serving cell belonging to said first system and having at least one adjoining cell belonging to said second system.

2. (Currently Amended) A mobile radio network controller for cellular mobile radio systems using the macrodiversity transmission technique, said macrodiversity transmission involving a radio network controller of ~~the~~ a first system, referred to as the serving controller, and at least one other radio network controller of the first system, referred to as the drift controller, wherein, if said other controller has a drift controller role, it includes means for signaling to a controller having a serving controller role adjoining cell information relating to at least one

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adjoining cell of at least one serving cell that it controls and which belongs to a system different from that to which said at least one serving cell belongs, the systems of said serving cell and said adjoining cell using different radio access techniques from one another.

3. (Currently Amended) A mobile radio network controller for cellular mobile radio systems using the macrodiversity transmission technique, said macrodiversity transmission involving a radio network controller of ~~the~~a first system, referred to as the serving controller, and at least one other radio network controller of the first system, referred to as the drift controller, wherein, if said other controller has a serving controller role, it includes means for receiving from a controller having a drift controller role, adjoining cell information relating to at least one adjoining cell of at least one serving cell controlled by said drift controller and belonging to a system different from that to which at least one serving cell belongs, the systems of said serving cell and said adjoining cell using different radio access techniques from one another.

4. (New) A method according to claim 1, wherein said first system is a system of UMTS ("Universal Mobile Telecommunication System") type, and said adjoining cell information relating to the second system is signaled in a message of the "Radio Link Setup Response" type.

5. (New) A method according to claim 1, wherein said first system is a system of UMTS ("Universal Mobile Telecommunication System") type, and said adjoining cell information

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relating to the second system is signaled in a message of the “Radio Link Addition Response” type.

6. (New) A method according to claim 1, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Setup Failure” type.

7. (New) A method according to claim 1, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Addition Failure” type.

8. (New) A method according to claim 1, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of CGI (“Cell Global Identity”) type.

9. (New) A method according to claim 1, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of BSIC (“Base Station Identity Code”) type.

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10. (New) A method according to claim 1, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of BCCH ARFCN (“Broadcast Control Channel Absolute Radio Frequency Channel Number”) type.

11. (New) A mobile radio network controller according to claim 2, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signalled in a message of the “Radio Link Setup Response” type.

12. (New) A mobile radio network controller according to claim 3, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signalled in a message of the “Radio Link Setup Response” type.

13. (New) A mobile radio network controller according to claim 2, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Addition Response” type.

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14. (New) A mobile radio network controller according to claim 3, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Addition Response” type.

15. (New) A mobile radio network controller according to claim 2, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Setup Failure” type.

16. (New) A mobile radio network controller according to claim 3, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Setup Failure” type.

17. (New) A mobile radio network controller according to 2, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Addition Failure” type.

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18. (New) A mobile radio network controller according to claim 3, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type, and said adjoining cell information relating to the second system is signaled in a message of the “Radio Link Addition Failure” type.

19. (New) A mobile radio network controller according to claim 2, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of CGI (“Cell Global Identity”) type.

20. (New) A mobile radio network controller according to claim 3, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of CGI (“Cell Global Identity”) type.

21. (New) A mobile radio network controller according to claim 2, wherein said second system is a system of GSM (“Global System for Mobile Communication”) type, and said adjoining cell information relating to the second system includes information of BSIC (“Base Station Identity Code”) type.

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22. (New) A mobile radio network controller according to claim 3, wherein said second system is a system of GSM ("Global System for Mobile Communication") type, and said adjoining cell information relating to the second system includes information of BSIC ("Base Station Identity Code") type.

23. (New) A mobile radio network controller according to claim 2, wherein said second system is a system of GSM ("Global System for Mobile Communication") type, and said adjoining cell information relating to the second system includes information of BCCH ARFCN ("Broadcast Control Channel Absolute Radio Frequency Channel Number") type.

24. (New) A mobile radio network controller according to claim 3, wherein said second system is a system of GSM ("Global System for Mobile Communication") type, and said adjoining cell information relating to the second system includes information of BCCH ARFCN ("Broadcast Control Channel Absolute Radio Frequency Channel Number") type.

25. (New) A method according to claim 1, wherein said first system is a system of UMTS ("Universal Mobile Telecommunication System") type and said second system is a system of GSM ("Global System for Mobile Communication") type.

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26. (New) A mobile radio network controller according to claim 2, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type and said second system is a system of GSM (“Global System for Mobile Communication”) type.

27. (New) A mobile radio network controller according to claim 3, wherein said first system is a system of UMTS (“Universal Mobile Telecommunication System”) type and said second system is a system of GSM (“Global System for Mobile Communication”) type.